

**NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEW**

A. Approved by the Draftsinger under 37 CFR 1.84 or 1.152.
B. Objected to by the Draftsinger under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings, when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a). Acceptable categories of drawings:

- Black & white. Color
- Color drawings are not acceptable until patent is granted. (Fig.)
- Hand-drawn and non black and white are permitted. (Fig.)

2. PHOTOGRAPHS. 37 CFR 1.84 (b)

- 1 full tone set is required. (Fig.)
- Photographs not properly labeled (must use hazard board or provide hazard board with every figure). (Fig.)
- Free from scratches, dust, or damage. (Fig.)
- Free from smudges, ink, or water. (Fig.)

3. TYPE OF PAPER. 37 CFR 1.84(c)

- Paper must be flexible, strong, white, and durable. (Fig.)
- Smooth, glossy, or dull finish.
- Exures, alterations, overwritings, underlinings, initializations, folds, copy machine marks are not accepted. (Fig.)
- Mylar, velum paper is not acceptable (too thin).
- Handwritten text is not acceptable.

4. SIZE OF PAPER. 37 CFR 1.84(d). Acceptable sizes

- 21.0 cm by 29.7 cm (DIN size A4)
- 21.0 cm by 27.9 cm (DIN 1/2 x 11 inches)
- Acceptable drawing sheets not the same size
- Sheets:

 - Drawings sheets not an acceptable size. (Fig.)

5. MARGINS. 37 CFR 1.84(e). Acceptable margins:

- Top 2.5 cm - Left 2.5 cm. Right 1.5 cm. Bottom 1.0 cm
SIZE: A4 Size
- Top 2.5 cm - Left 2.5 cm. Right 1.5 cm. Bottom 1.0 cm
SIZE: A3 Size
- Margins not acceptable. (Fig.)

6. VIEWS. 37 CFR 1.84(f). REMINDER: Specification requires revision to correspond to drawing changes.

- Partial views. 37 CFR 1.84(g)(2)
- Views needed to show figure as one entity. (Fig.)
- Views not labeled separately or property. (Fig.)
- Indicated view not labeled separately or property. (Fig.)

7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)

- Hatching is indicated for sectional portions of an object. (Fig.)
- Sectional designation should be noted with Arabic or Roman numbers. (Fig.)

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(j)

- Which do not appear on a horizontal, left-to-right fashion when page is either rotated or turned so that the top becomes the right side, except for graphs. (Fig.)

9. SCALE. 37 CFR 1.84(k)

- Scales large enough to show mechanism without crowding when drawing is reduced in size or increased in reproduction.

10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)

- Lines, numbers & letters not uniformly thick and well defined, clear, durable and black (por line quality). (Fig.)

11. SHADING. 37 CFR 1.84(m)

- Solid black areas plus. (Fig.)
- Shaded areas not solid and blurred. (Fig.)

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(n)

- Figures and reference characters not plain and legible. (Fig.)
- Figure legends are poor. (Fig.)
- Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1)
- English alphabet not used. 37 CFR 1.84(p)(2)
- Figs
- Numbers, letters and reference characters must be at least 22 mm (8.67 inch) in height. 37 CFR 1.84(p)(3)
- Fig.)

13. LEAD LINES. 37 CFR 1.84(o)

- Lead lines must be continuous. (Fig.)
- Lead lines missing. (Fig.)

14. NUMBERING OF SHEETS/OF DRAWINGS. 37 CFR 1.84(q)

- Sheets not numbered consecutively, and in Arabic numerals, beginning with number 1. (Sheets)

15. NUMBERING VIEWS. 37 CFR 1.84(r)

- Views not numbered consecutively, and in Arabic numerals, beginning with number 1. (Fig.)

16. CORRECTIONS. 37 CFR 1.84(s)

- Corrections not made from prior prior PTO-446 dated.

17. DESIGN DRAWINGS. 37 CFR 1.152

- Surface shading shown not appropriate. (Fig.)
- Surface shading not used for color contrast. (Fig.)

COMMENTS

REVIEWER T. Reges DATE 11/12/98 TELEPHONE NO. 305 8335